

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092620\
 Data File : VU040293.D
 Acq On : 25 Sep 2020 12:32
 Operator : SY/MD
 Sample : L4147-02
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFS7

Quant Time: Sep 26 04:51:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Sep 26 04:43:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	168019	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	172322	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	78503	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	33818	3.69	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.80%
7) Chloroethane-d5	1.92	69	31880	4.17	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.40%
11) 1,1-Dichloroethene-d2	2.58	63	55818	2.37	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	47.40%#
20) 2-Butanone-d5	4.66	46	163759	44.63	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	89.26%
24) Chloroform-d	5.08	84	73868	3.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	69.00%#
26) 1,2-Dichloroethane-d4	5.72	65	48531	3.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.40%
32) Benzene-d6	5.74	84	141347	3.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	70.20%
36) 1,2-Dichloropropane-d6	6.70	67	49041	3.70	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	74.00%
41) Toluene-d8	7.91	98	116556	3.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	64.20%#
43) trans-1,3-Dichloropropene-	8.19	79	18915	3.10	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	62.00%
46) 2-Hexanone-d5	8.64	63	122334	42.40	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.80%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	44068	3.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	76.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	46922	3.69	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	73.80%#

Target Compounds

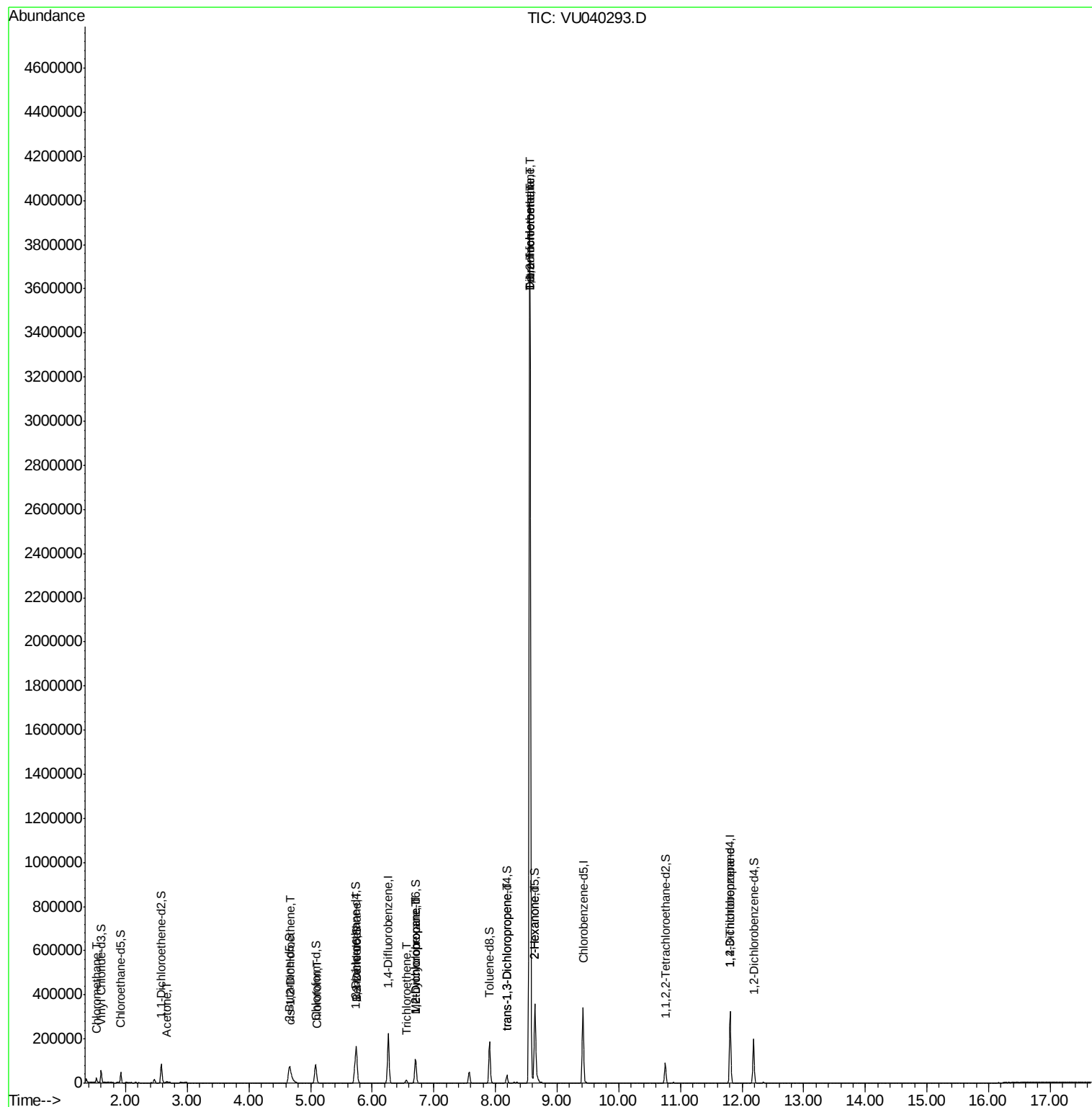
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	13506	0.846	ug/L	96
13) Acetone	2.67	43	15287	4.501	ug/L	98
22) cis-1,2-Dichloroethene	4.68	96	1820	0.121	ug/L	89
25) Chloroform	5.11	83	1734	0.059	ug/L	86
27) 1,2-Dichloroethane	5.74	62	873	0.040	ug/L #	78
34) Trichloroethene	6.55	95	4769	0.288	ug/L	98
35) Methylcyclohexane	6.70	83	10966	0.433	ug/L #	14
37) 1,2-Dichloropropane	6.70	63	5551	0.333	ug/L #	88
44) trans-1,3-Dichloropropene	8.19	75	903	0.040	ug/L #	61
45) 1,1,2-Trichloroethane	8.56	97	7851	0.646	ug/L #	1
47) Tetrachloroethene	8.56	164	793744	73.074	ug/L	98
48) 2-Hexanone	8.64	43	16257	1.627	ug/L #	71
49) Dibromochloromethane	8.56	129	787077	53.924	ug/L #	11
59) 1,2,3-Trichloropropane	11.81	75	10921	0.883	ug/L #	88

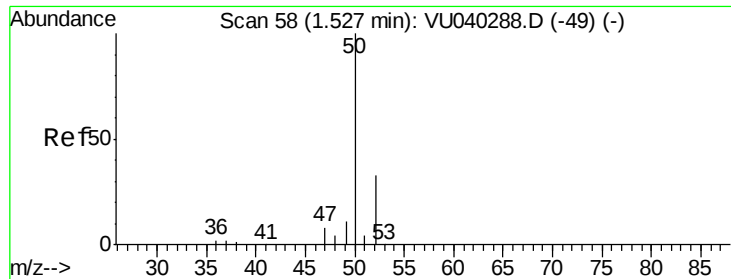
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU092620\
Data File : VU040293.D
Acq On : 25 Sep 2020 12:32
Operator : SY/MD
Sample : L4147-02
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFS7

Quant Time: Sep 26 04:51:06 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Sep 26 04:43:23 2020
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.846 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040293.D

Acq: 25 Sep 2020 12:32

Instrument :

MSVOA_U

ClientSampleId :

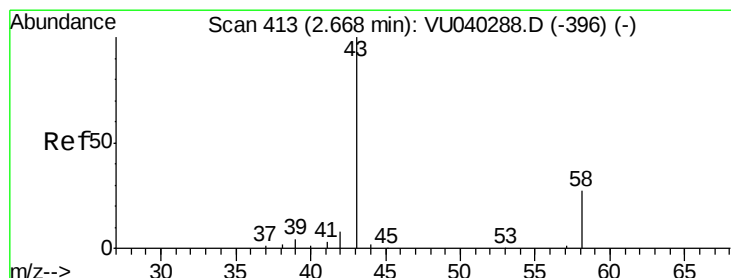
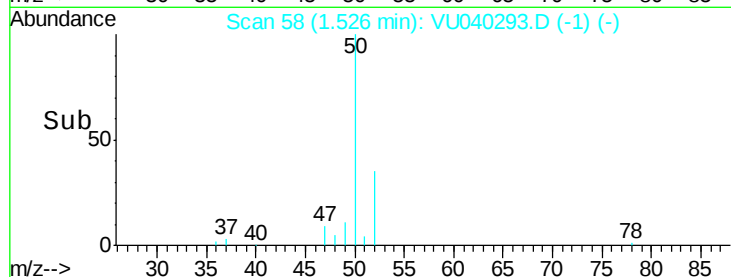
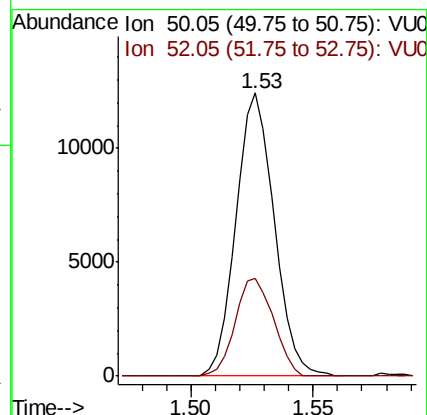
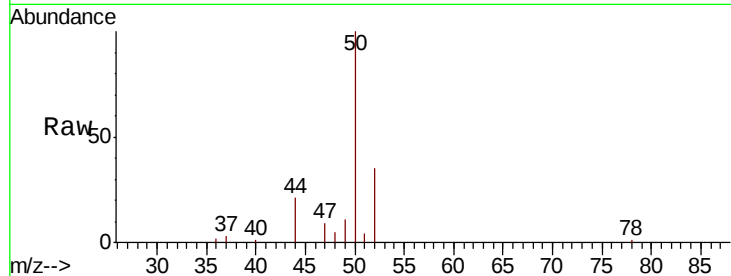
BFSA7

Tot Ion: 50 Resp: 13506

Ion Ratio Lower Upper

50 100

52 34.7 22.8 42.4



#13

Acetone

Concen: 4.501 ug/L

RT: 2.67 min Scan# 414

Delta R.T. 0.00 min

Lab File: VU040293.D

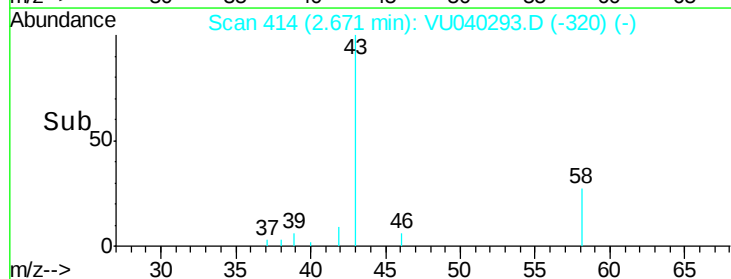
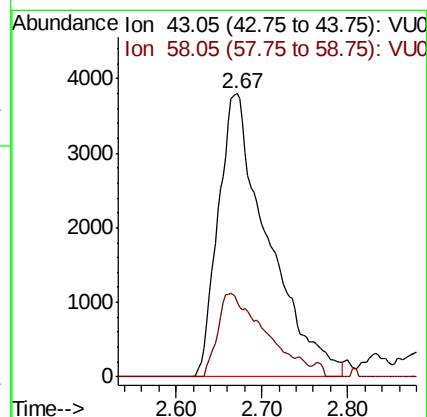
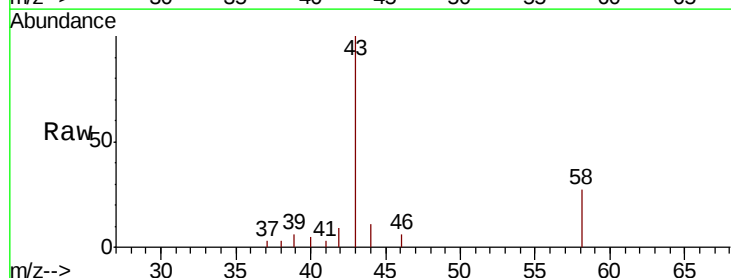
Acq: 25 Sep 2020 12:32

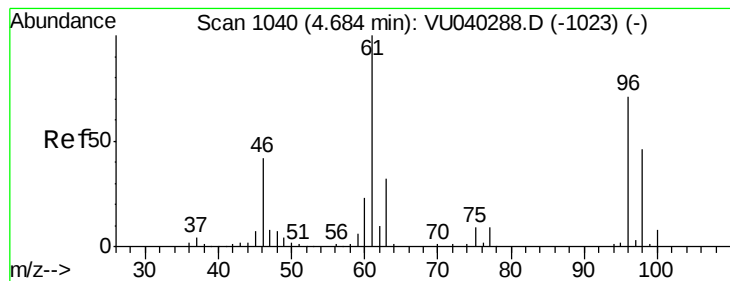
Tgt Ion: 43 Resp: 15287

Ion Ratio Lower Upper

43 100

58 26.8 0.0 55.4





#22

cis-1,2-Dichloroethene

Concen: 0.121 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. -0.00 min

Lab File: VU040293.D

Acq: 25 Sep 2020 12:32

Instrument :

MSVOA_U

ClientSampleId :

BFSA7

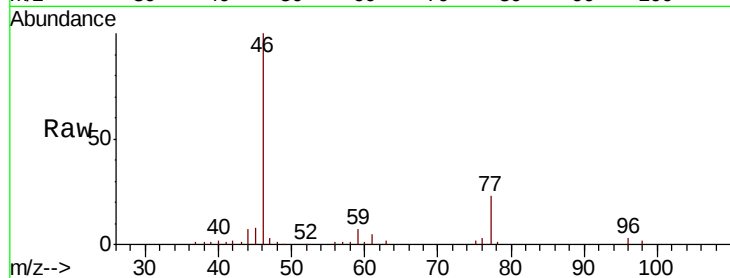
Tot Ion: 96 Resp: 1820

Ion Ratio Lower Upper

96 100

61 155.0 98.8 183.4

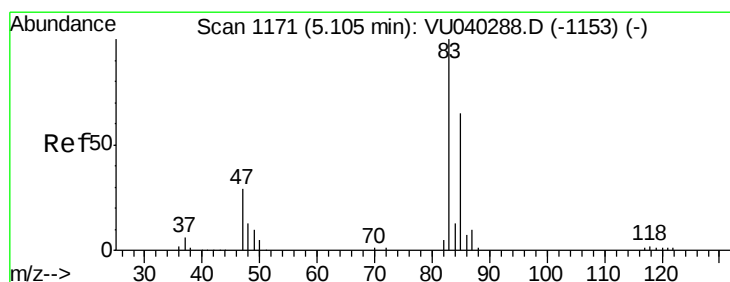
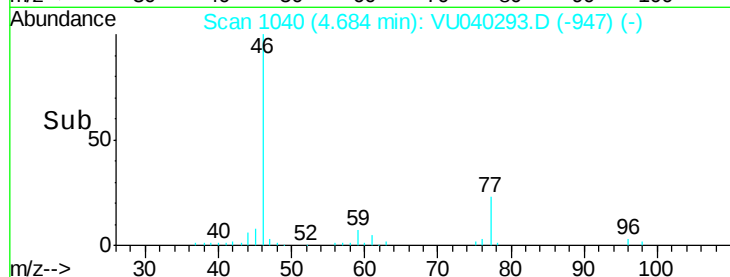
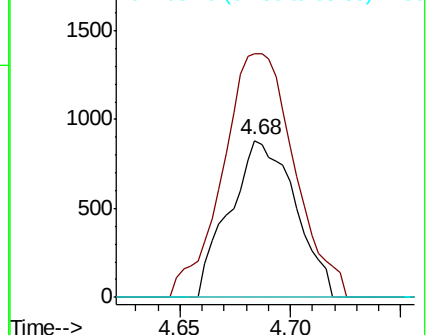
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU040293.D (-947) (-)

Ion 61.05 (60.75 to 61.75): VU040293.D (-947) (-)

Ion 68.15 (67.85 to 68.85): VU040293.D (-947) (-)



#25

Chloroform

Concen: 0.059 ug/L

RT: 5.11 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VU040293.D

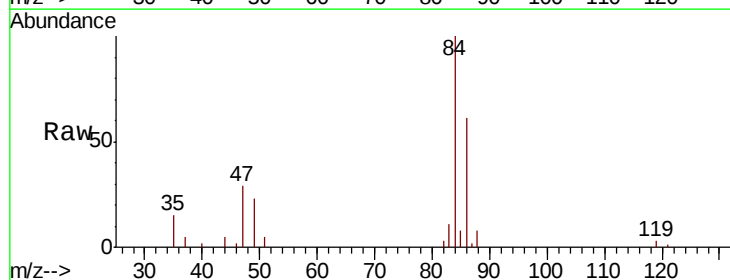
Acq: 25 Sep 2020 12:32

Tgt Ion: 83 Resp: 1734

Ion Ratio Lower Upper

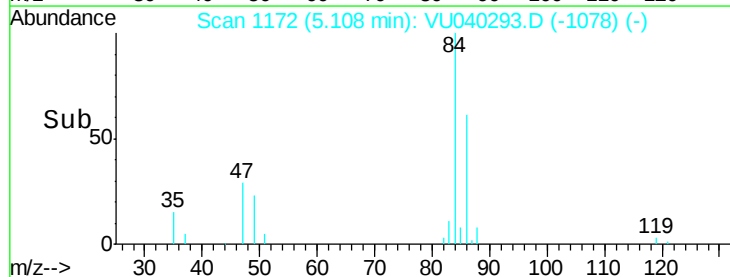
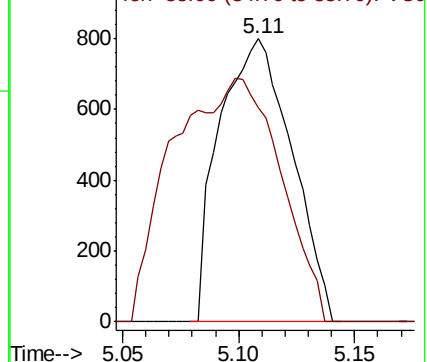
83 100

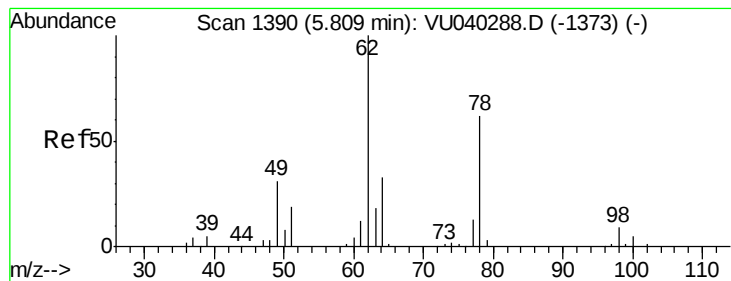
85 75.7 45.3 84.1



Abundance Ion 83.05 (82.75 to 83.75): VU040293.D (-1078) (-)

Ion 85.00 (84.70 to 85.70): VU040293.D (-1078) (-)





#27

1,2-Dichloroethane

Concen: 0.040 ug/L

RT: 5.74 min Scan# 1370

Delta R.T. -0.06 min

Lab File: VU040293.D

Acq: 25 Sep 2020 12:32

Instrument :

MSVOA_U

ClientSampleId :

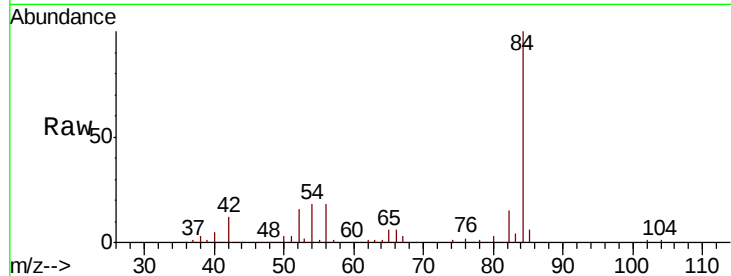
BFSA7

Tot Ion: 62 Resp: 873

Ion Ratio Lower Upper

62 100

98 0.0 6.1 9.1#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.05 (97.75 to 98.75): VU0

5.74

500

400

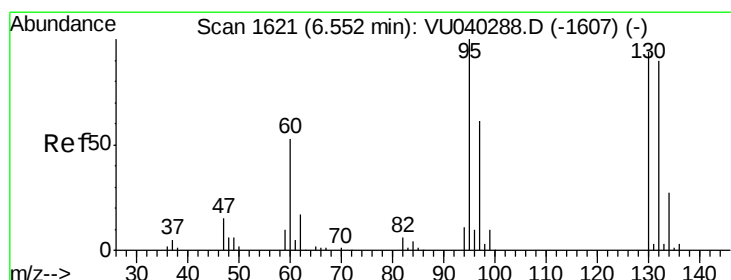
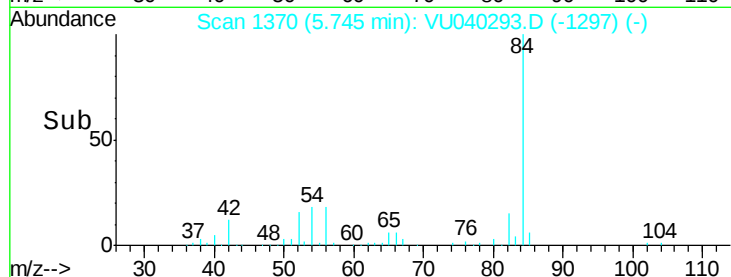
300

200

100

0

Time--> 5.70 5.72 5.74 5.76 5.78



#34

Trichloroethene

Concen: 0.288 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VU040293.D

Acq: 25 Sep 2020 12:32

Tgt Ion: 95 Resp: 4769

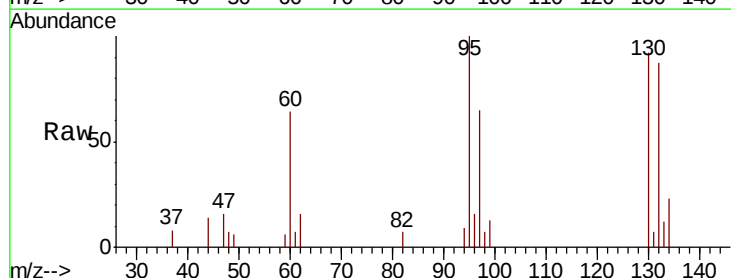
Ion Ratio Lower Upper

95 100

97 65.0 43.3 80.5

132 87.2 59.4 110.4

130 92.0 64.8 120.4



Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): VU0

Ion 129.95 (129.65 to 130.65): VU0

4000

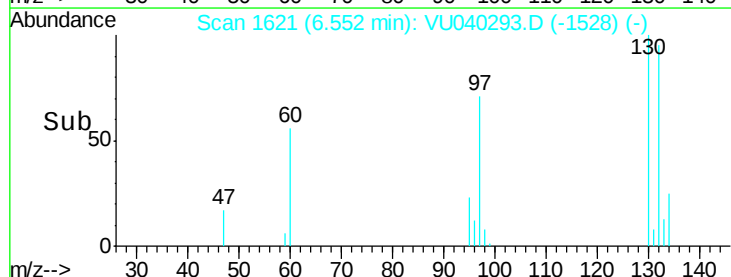
3000

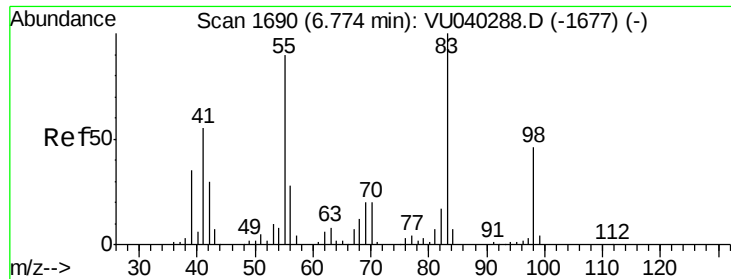
2000

1000

0

Time--> 6.50 6.55 6.60

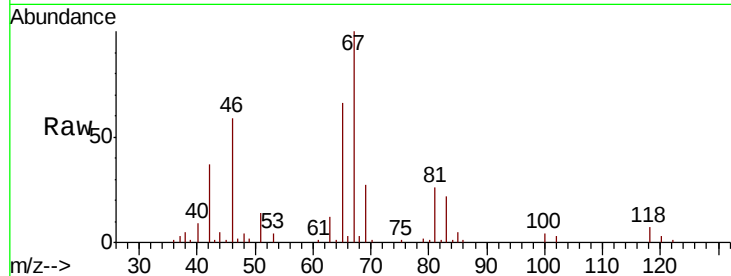




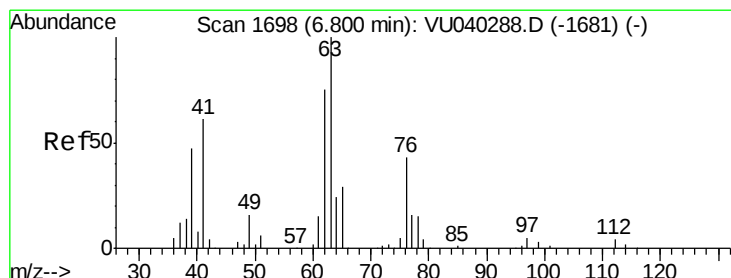
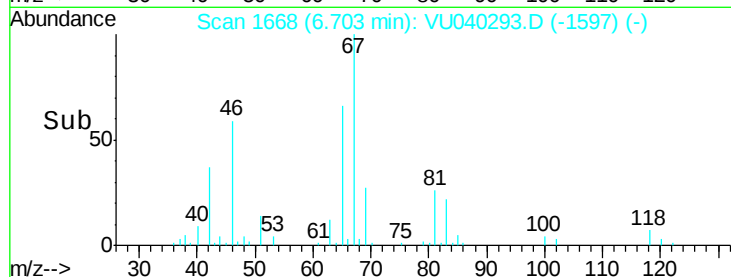
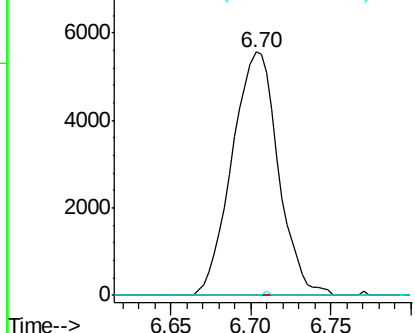
#35
Methvlcvclohexane
Concen: 0.433 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU040293.D
Acq: 25 Sep 2020 12:32

Instrument :
MSVOA_U
ClientSampleId :
BFS7

Tot Ion: 83 Resp: 10966
Ion Ratio Lower Upper
83 100
55 0.0 70.5 105.7#
98 0.2 37.8 56.6#

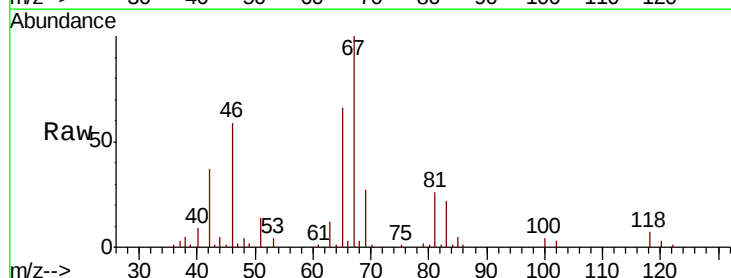


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

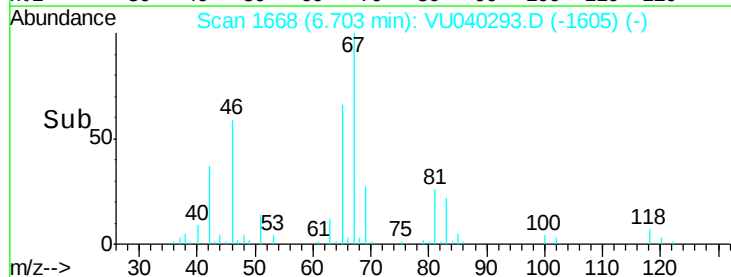
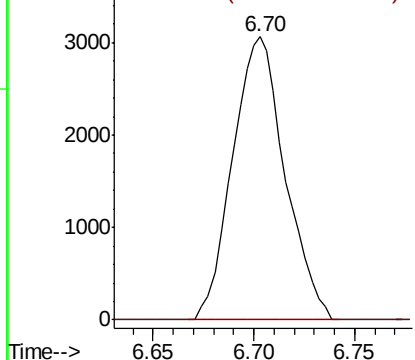


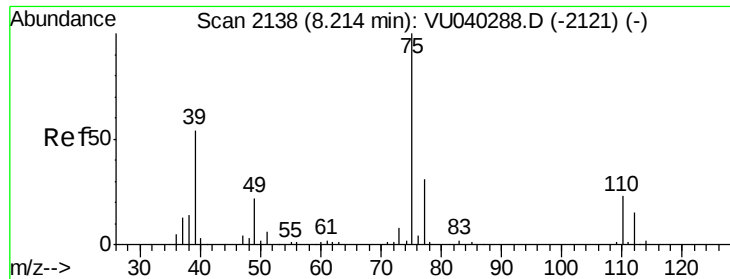
#37
1,2-Dichloropropane
Concen: 0.333 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU040293.D
Acq: 25 Sep 2020 12:32

Tgt Ion: 63 Resp: 5551
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V





#44

trans-1,3-Dichloropropene

Concen: 0.040 ug/L

RT: 8.19 min Scan# 2129

Delta R.T. -0.03 min

Lab File: VU040293.D

Acq: 25 Sep 2020 12:32

Instrument :

MSVOA_U

ClientSampleId :

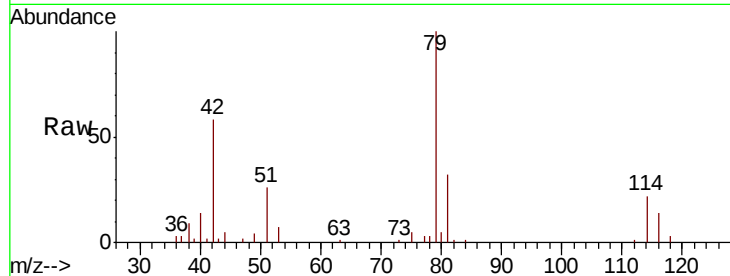
BFSA7

Tot Ion: 75 Resp: 903

Ion Ratio Lower Upper

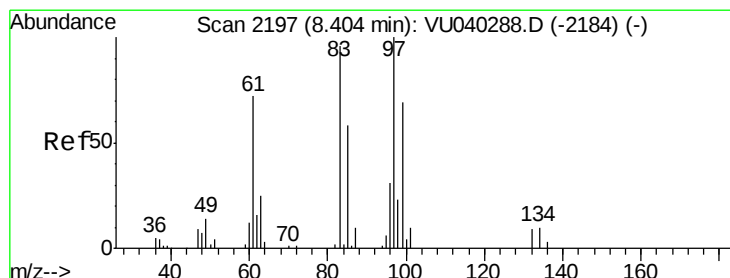
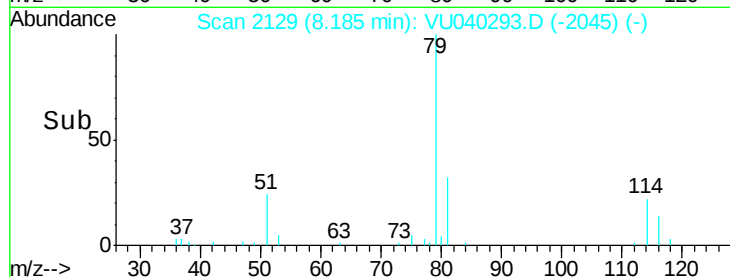
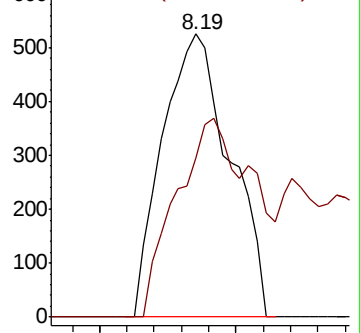
75 100

77 56.4 23.9 44.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#45

1,1,2-Trichloroethane

Concen: 0.646 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. 0.15 min

Lab File: VU040293.D

Acq: 25 Sep 2020 12:32

Tgt Ion: 97 Resp: 7851

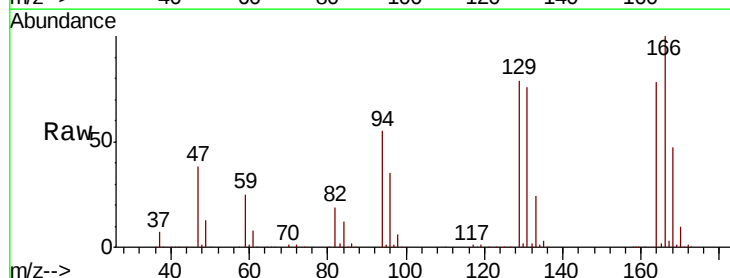
Ion Ratio Lower Upper

97 100

99 15.0 43.0 79.8#

83 254.0 61.7 114.7#

85 35.6 39.3 73.1#

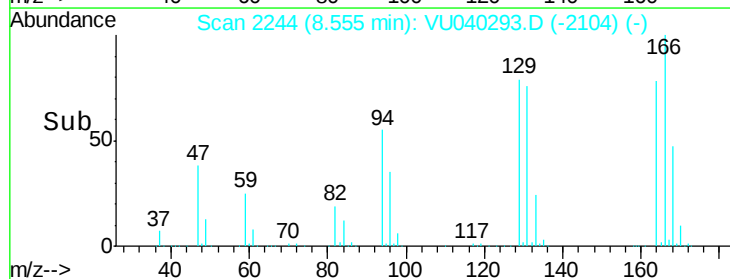
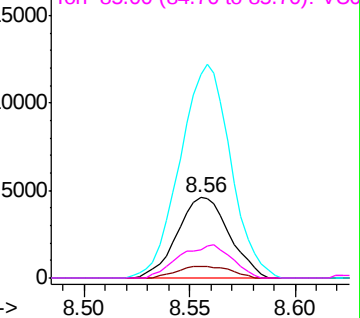


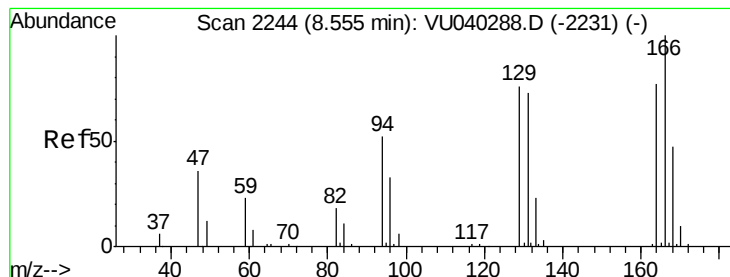
Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0





#47

Tetrachloroethene

Concen: 73.074 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU040293.D

Acq: 25 Sep 2020 12:32

Instrument :

MSVOA_U

ClientSampleId :

BFSA7

Tot Ion:164 Resp: 793744

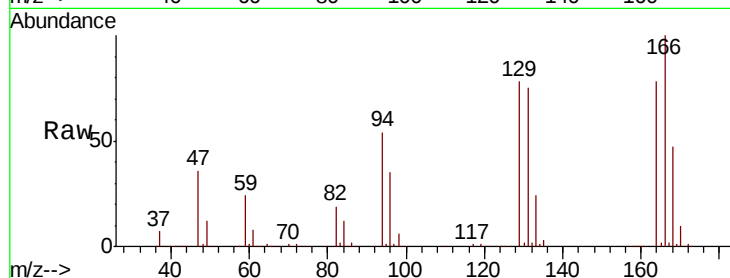
Ion Ratio Lower Upper

164 100

129 100.2 71.5 132.7

131 96.0 65.9 122.5

166 128.3 87.3 162.1

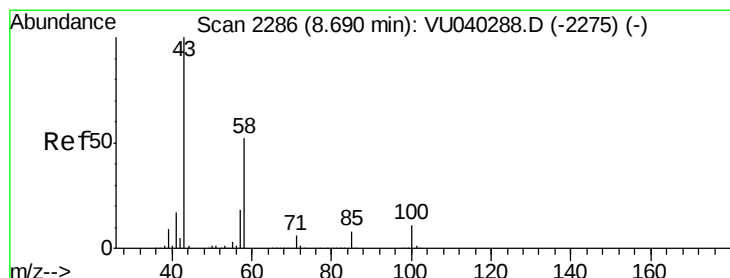
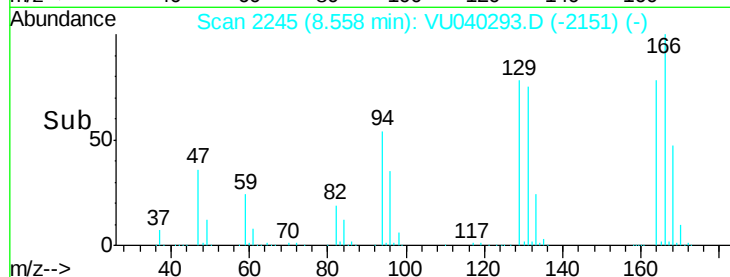
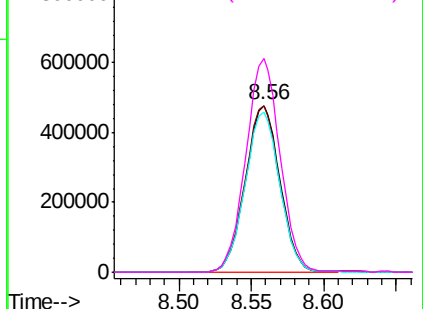


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#48

2-Hexanone

Concen: 1.627 ug/L

RT: 8.64 min Scan# 2271

Delta R.T. -0.05 min

Lab File: VU040293.D

Acq: 25 Sep 2020 12:32

Tgt Ion: 43 Resp: 16257

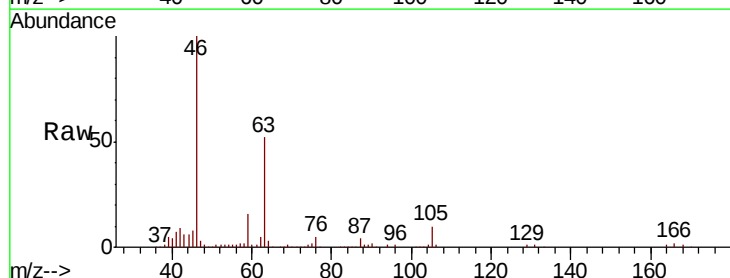
Ion Ratio Lower Upper

43 100

58 27.2 39.6 59.4#

57 26.5 14.3 21.5#

100 0.0 8.0 12.0#

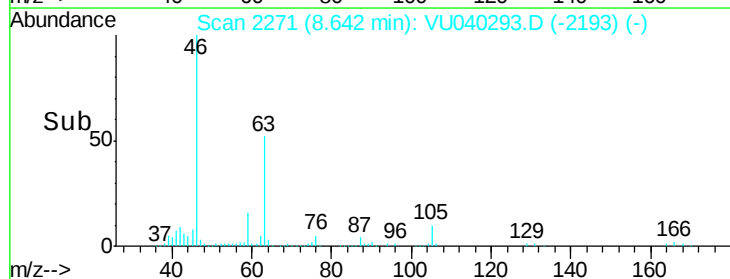
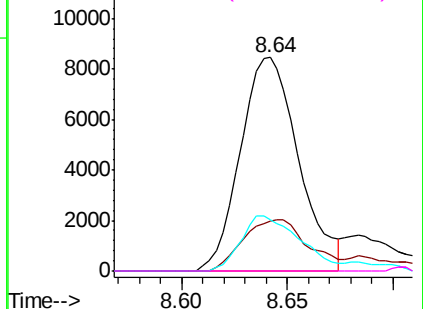


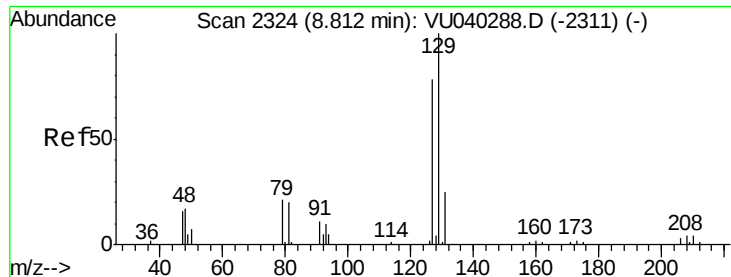
Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0





#49

Dibromochloromethane

Concen: 53.924 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.25 min

Lab File: VU040293.D

Acq: 25 Sep 2020 12:32

Instrument :

MSVOA_U

ClientSampleId :

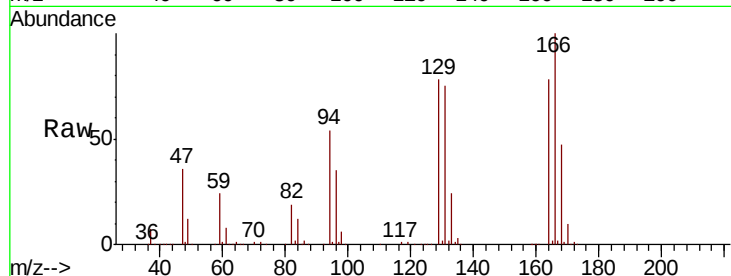
BFSA7

Tot Ion:129 Resp: 787077

Ion Ratio Lower Upper

129 100

127 0.0 53.7 99.7#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.56

500000

400000

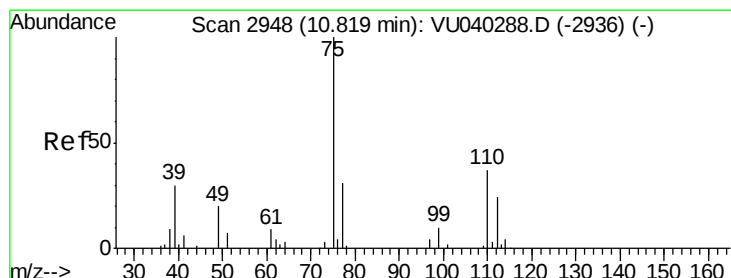
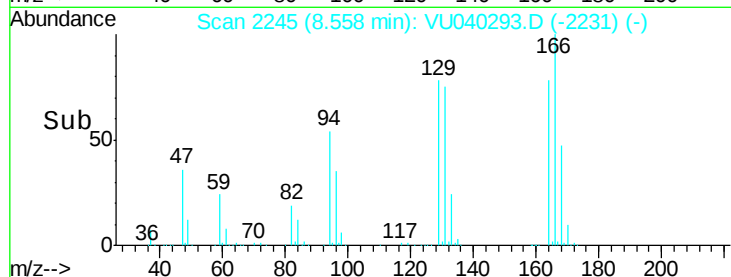
300000

200000

100000

0

Time-->



#59

1,2,3-Trichloropropane

Concen: 0.883 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.99 min

Lab File: VU040293.D

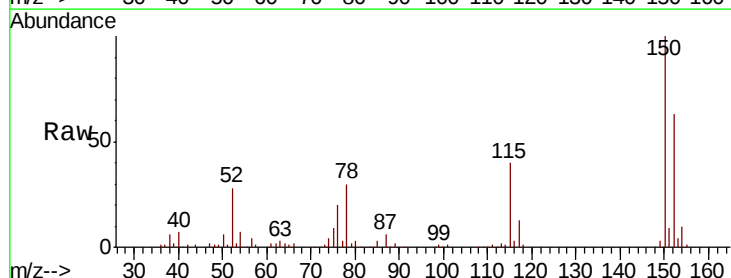
Acq: 25 Sep 2020 12:32

Tgt Ion: 75 Resp: 10921

Ion Ratio Lower Upper

75 100

77 37.6 24.9 37.3#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.81

8000

6000

4000

2000

0

Time-->

